

ABSTRACT

A packet identifier table for use in conjunction with an input processor in a re-multiplexing module is divided into an active table and a pending table. Both tables conduct PID filter values used to filter incoming packet data. The active table contains PID values that are used by the re-multiplexer module, while the pending table contains PID values that can be modified while the active table is in use. A host processor switches the status of the active table and the pending table so that the modified values can be used by the input processor. Because the PID values in the active table are kept separate from the PID values that are being modified, PID value modification can occur without interrupting the re-multiplexing operation.

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